

N-3-CYANO BENZYL-HETEROCYCLIC COMPOUND AND INSECTICIDE

Publication number: JP63287764 (A)

Publication date: 1988-11-24

Inventor(s): SHIOKAWA KOZO; TSUBOI SHINICHI; SASAKI AKITAKA; MORIE KOICHI; HATTORI YUMI; SHIBUYA KATSUHIKO

Applicant(s): NIPPON TOKUSHU NOYAKU SEIZO KK.

Classification:

— International: C07D233/20; A01N43/40; A01N43/54; A01N43/78; C07D207/20; C07D207/22; C07D211/84; C07D213/61; C07D213/72; C07D233/22; C07D233/26; C07D233/44; C07D233/52; C07D233/64; C07D233/88; C07D239/06; C07D239/12; C07D263/18; C07D263/28; C07D265/08; A01N43/34; A01N43/48; A01N43/72; C07D267/00; C07D211/00; C07D213/00; C07D233/00; C07D239/00; C07D263/00; C07D265/00; (IPC1-7): A01N43/40; A01N43/54; A01N43/78; C07D207/20; C07D207/22; C07D211/84; C07D213/61; C07D213/72; C07D233/26; C07D233/22; C07D233/26; C07D233/44; C07D233/52; C07D233/64; C07D233/88; C07D239/06; C07D239/12; C07D263/10; C07D263/28; C07D265/08

— European:

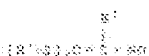
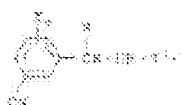
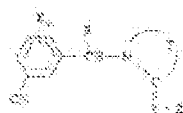
Application number: JP19870122516 19870521

Priority number(s): JP19870122516 19870521

Abstract of JP 63287764 (A)

NEW MATERIAL: The compound of formula I [X is halogen, CN or alkyl; n is 0, 1 or 2; R is H or 1-4C alkyl; Y is N or CR<1> (R<1> is H, alkyl, haloalkyl, acyl or phenylthio); Z is NO₂ or CN; T is 3-4 hetero-ring residues forming a 5-6-membered hetero-ring containing 1-3 hetero-atoms (O, S or >=1 N) together with adjacent C and N; said hetero-ring residue may have a substituent (halogen, 1-4C alkyl, 2-4C alkenyl or 2-4C alkynyl)]. **EXAMPLE:** 1-(3-Cyanobenzyl)-2-nitromethylisimidazolidine.

USE: insecticide. **PREPARATION:** The compound of formula IV which is one of the compound of formula I can be produced by reacting a compound of formula II (T<1> is T wherein the terminal constituent member of the bonded C-side terminal is hetero-atom (O, S or N) and the remaining residues are C) with a compound of formula III (R' is lower alkylbenzyl, etc.).



Data supplied from the esp@cenet database — Worldwide